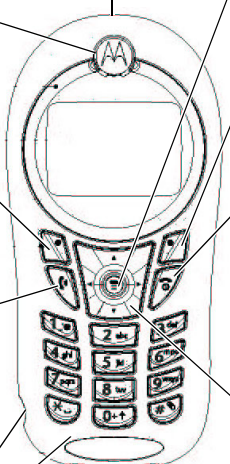
MOTOROLA

Mobile
Telephone
C115

LET'S START >

Welcome



Antenna
Enclosed on the top-back of the phone.

Menu Key
Open a menu when you see in the display.

Ear Piece
Listen to your voice calls and messages.

Right Soft Key
Perform functions identified by right display prompt.

Left Soft Key
Perform functions identified by left display prompt.

Power/End Key
Press & hold to turn on/off the phone.
Press & release to end phone calls, exit menu system.

Send/Answer Key
Make and answer calls. Press in idle screen to see the recent dialed calls.

Navigation Key
Scroll through lists, set volume.

Headset Connector Port

Microphone

Power Connector Port
Insert charger.

Motorola, Inc.
Consumer Advocacy Office
1307 East Algonquin Road
Schaumburg, IL 60196

886-2-2705-1811(TW)
1-800-331-6456 (United States)
1-888-390-6456 (TTY/TDD United States)
1-800-461-4575 (Canada)

www.motorola.com.tw (TW)
www.motorola.com (United States)
www.motorola.ca (Canada)

MOTOROLA and the Stylized M Logo are registered in the US Patent & Trademark Office. The Bluetooth trademarks are owned by their proprietor and used by Motorola, Inc. under license. All other product or service names are the property of their respective owners.

© Motorola, Inc. 2004

Caution: Changes or modifications made in the radio phone, not expressly approved by Motorola, will void the user's authority to operate the equipment.

Software Copyright Notice

The Motorola products described in this manual may include copyrighted Motorola and third-party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola and third-party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in the Motorola products may not be modified, reverse-engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of the Motorola products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the copyrights, patents, or patent applications of Motorola or any third-party software provider, except for the normal, non-exclusive, royalty-free license to use that arises by operation of law in the sale of a product.

Contents

Safety and General Information 8
Getting Started 14
Package Content 14
About This Manual 14
Changing Your SIM Card and Battery 15
Charging Your Phone 15
Turning On/Off Your Phone 15
Learning to Use Your Phone 16
Adjusting the Volume 16
Making and Answering Calls 16
Symbols on the Screen 17
Using the Menu 18
Setting Up Your Phone 20
Entering Text 24
Calling Features 26
Displaying Your Phone Number 26
Redialing a Number 26
Using My Caller ID 27
Terminating an Incoming Call 27
Dialing an Emergency Number 28
Dialing International Numbers 28
Inserting Special Characters into Dialing Sequences . . 29
Viewing the Received Calls or Dialed Calls List 29
Returning an Unanswered Call 31
Entering Numbers in the Notepad 32
Attaching a Number 33
Using Voicemail 33
Speed Dialing 35

One-Touch Dialing 35
Quick Dialing 36
Using Call Waiting 36
Forwarding a Call 37
Conference Calls 39
Barring a Call 40
Putting a Call on Hold 41
Lock/ Unlock the Keypad 41
Messages 42
Sending Messages 42
Viewing Message Status 44
Receiving and Reading Messages 44
Replying to Messages 45
Locking or Deleting a Text Message 45
Phonebook 47
Storing a Phonebook Entry 47
Dialing a Phonebook Entry 49
Editing a Phonebook Entry 49
Sorting and Copying Phonebook Entries 50
Checking Phonebook Capacity 51
Personalizing Your Phone 53
Customizing Menus 53
Redefining Soft Keys 54
Selecting a Different Language 54
Using MyMenu 54
Getting More Out of Your Phone 57
Dialing Options 57
Managing Your Calls 58
Monitoring Phone Use 59
Network Features 63

Personal Organizer Features 64
Alarm Clock 64
Calculator 65
Converting Currency 65
Security 66
Locking and Unlocking Your Phone 66
Changing Your Unlock Code 67
Protecting the SIM Card 68
Games 69
Troubleshooting 70
Specific Absorption Rate Data 77

Menu Map

Main Menu

- **Messages**
- **Phonebook**
- **Recent Calls**
- **Games**
- **MyMenu**
- **Ring Styles**
- **Alarm Clock**
- **Settings**
- **More**
- **Quick Dial**

Note:
The Main Menu above represents the standard phone menu layout. You or your service provider may have changed the order of the menu layout or changed the feature names.
Not all features may be available for all users.

Shortcut
In idle, press up or down to open phonebook, right or left to adjust volume.
Go to **Dialed Calls**: press .
Exit the menu system: press .

Settings Menu

- **Call Forward ***
  - Voice Call
  - Cancel All
  - Forward Status
- **Phone Status**
  - My Tel. Numbers *
  - Active Line
  - Battery Meter
- **In-Call Setup**
  - In-Call Timer
  - Call Cost Setup *
  - My Caller ID
  - Answer Options
  - Call Waiting
  - Auto Redial
- **Security**
  - Phone Lock
  - Lock Keypad
  - Fixed Dial
  - Call Barring *
  - SIM PIN
  - New Passwords
- **Other Settings***
  - Personalize
    - Main Menu
    - Keys
    - Greeting *
    - Quick Dial *
  - Initial Setup
    - Time and Date
    - Power On/Off
    - 1-Touch Dial
    - Backlight
    - Scroll
    - Animation
    - Language
    - Battery Save
    - Contrast
    - DTMF
    - Master Reset
  - Network
    - New Network
    - Network Setup
    - Avail. Networks
    - My Network List
    - Service Tone
    - Call Drop Tone
    - Band Selection
  - Headset
    - Auto Answer

* Optional Network, SIM card, or subscription-dependent features.

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR PHONE.

The information provided in this document supersedes the general safety information in user's guides published prior to December 1, 2002.

Exposure To Radio Frequency (RF) Energy

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your Motorola phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards, always adhere to the following procedures.

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone.

Body-Worn Operation

To maintain compliance with RF energy exposure guidelines, if you wear a phone on your body when transmitting, always place the phone in a Motorola-supplied or approved clip, holder, holster, case, or body harness for this phone, if available. Use of accessories not approved by Motorola may exceed RF energy exposure guidelines. If you do not use one of the body-worn accessories approved or supplied by Motorola, and are not using the phone held in the normal use position, ensure the phone and its

antenna are at least 1 inch (2.5 centimeters) from your body when transmitting.

Approved Accessories

Use of accessories not approved by Motorola, including but not limited to batteries and antennas, may cause your phone to exceed RF energy exposure guidelines. For a list of approved Motorola accessories, visit our website at www.Motorola.com.

RF Energy Interference/Compatibility

Note: Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.

Facilities

Turn off your phone in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, turn off your phone when on board an aircraft. Any use of a phone must be in accordance with applicable regulations per airline crew instructions.

Medical Devices

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless phone and a pacemaker.

Persons with pacemakers should:

- ALWAYS keep the phone more than 6 inches (15 centimeters) from your pacemaker when the phone is turned ON.
- NOT carry the phone in the breast pocket.

- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn OFF the phone immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Use While Driving

Check the laws and regulations on the use of phones in the area where you drive. Always obey them.

When using your phone while driving, please:

- Give full attention to driving and to the road.
- Use handsfree operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

Responsible driving best practices may be found in the “Wireless Phone Safety Tips” at the end of this manual and at the Motorola website: `www.Motorola.com/callsmart`.

Operational Warnings

For Vehicles With an Air Bag

Do not place a phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a phone is placed in the air bag deployment area and the air bag inflates, the phone may be

propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your phone prior to entering any area with a potentially explosive atmosphere. Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas

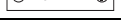
To avoid possible interference with blasting operations, turn OFF your phone when you are near electrical blasting caps, in a blasting area, or in areas posted "Turn off electronic devices." Obey all signs and instructions.

Batteries

Batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects. **Use only Motorola original batteries and chargers.**

Your battery or phone may contain symbols, defined as follows:

Symbol	Definition
	Important safety information will follow.
	Your battery or phone should not be disposed of in a fire.

Symbol	Definition
	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Your battery or phone should not be thrown in the trash.
	Your phone contains an internal lithium ion battery.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when watching television or playing video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor before playing video games on your phone or enabling a flashing-lights feature on your phone. (The flashing-lights feature is not available on all products.)

Parents should monitor their children's use of video game or other features that incorporate flashing lights on the phones. All persons should discontinue use and consult a doctor if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation.

To limit the likelihood of such symptoms, please take the following safety precautions:

- Do not play or use a flashing-lights feature if you are tired or need sleep.
- Take a minimum of a 15-minute break hourly.
- Play in a room in which all lights are on.
- Play at the farthest distance possible from the screen.

Repetitive Motion Injuries

When you play games on your phone, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. Follow these instructions to avoid problems such as tendonitis, carpal tunnel syndrome, or other musculoskeletal disorders:

- Take a minimum 15-minute break every hour of game playing.
- If your hands, wrists, or arms become tired or sore while playing, stop and rest for several hours before playing again.
- If you continue to have sore hands, wrists, or arms during or after play, stop playing and see a doctor.

Dual Band

The specification of 900/1800 is for European Frequency bands and 850/1900 for North American frequency bands.

Getting Started

Package Content

Your wireless phone comes with a replaceable internal battery and is typically equipped with a charger. Other accessory can customize your phone to its maximum performance and portability.

About This Manual

Optional Features

Features marked with this label are optional network, SIM card, and/or subscription-dependent features. All service providers in all geographical areas may not offer these features. Contact your service provider for information about availability.

Optional Accessories

Features marked with this label require the use of an optional Motorola OriginalTM accessory.

Changing Your SIM Card and Battery

Your SIM (Subscriber Identity Module) card contains your phone number, service details and phonebook/ message memory. It must be installed in your phone by placing it in the defined SIM card slot on your phone (located on the back of your phone underneath the replaceable battery).

Charging Your Phone

Before using the phone, you need to charge the battery. To ensure better performance of the battery, you may have several full charge/discharge cycles.

To charge your phone, you may plug the travel charger into the right jack on the bottom of your phone. Plug the other end of the travel charger into the appropriate electrical outlet. After the phone is fully charged with a display of Battery Full, you may remove the charger.

Turning On/Off Your Phone

To turn on/off your phone, press and hold . If necessary, enter your SIM card PIN code and press OK. (Note that after you enter an incorrect code 3 times, your SIM card is disabled and the phone displays **SIM Blocked**. If necessary, enter your 4-digit code and press **OK** to unlock your phone. (Note that the default unlock code is set to 1234.)

Learning to Use Your Phone

Adjusting the Volume

When you are in a call, adjust the earpiece speaker volume (if your accessory earpiece allows you to do so).

When the phone display is in idle, press the navigation key right or left. By press to the very left, you may mute the phone or turn the phone to the vibrate mode.

Making and Answering Calls

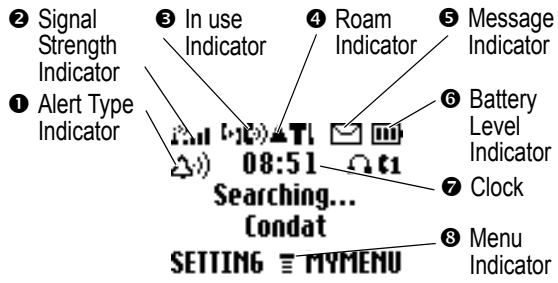
To make a call, you may enter the number with keypad keys. (Press **Delete** to erase the last digit, or hold **Delete** to erase all digits.) You may press Send key to make the call and End key when the call is done. To make a call from the phonebook, see Phonebook on Page 47.

To answer a call, press the Send/Answer key to receive a call and the End key to end the call. Or, you may apply the any key answer function.

Find the Feature

> **Settings**
> **In Call**
> **Answer Option**
> **Any Key Answer**

Symbols on the Screen



❶ Alert Type Indicator shows the current selected alert profile. The default alert setting is loud ring.

❷ Signal Strength Indicator shows the strength of your phone's connection with the network.

❸ In use Indicator indicates when a call is in progress, and when you have a secure or insecure connection.

❹ Roam Indicator appears when your phone uses another network system outside your home network. Icon here can also indicate your text entry mode, alpha, numeric, symbol and etc.

❺ Message Indicator appears when you have a new voice or text message waiting.

❻ Battery Level Indicator shows the amount of charge left in your battery. The more the bars, the greater the charge.

❼ Clock displays the real time. See page 20 for setting the Time and Date.

Menu Indicator indicates that you may press Main Menu to open the system menu.

Using the Menu

Navigating to a Feature

To access many of your phone's features, you may use these keys to move through the menu system:

Right Soft Key Press to apply the function indicated on the bottom right of the screen.

Left Soft Key Press to apply the function indicated on the bottom left of the screen.

Send/Answer Key Make and answer calls, and view recent dialed calls.

Power/ End Key Press & hold to turn on/off the phone. Or press to end calls and exit menus.

Navigation Key Scroll through menus/lists, and set feature values.

The following example demonstrates how to select a feature and enter information:

Find the Feature (Menu) > **Recent Calls** > **Dialed Calls**

Press (Menu) and scroll to **Recent Calls**, and select **Dialed Calls** to see the detailed call list.

Selecting a Feature

You may need to select a feature from a list. Some features require you to select an item from a list, and you may:

Press **Back** to go back to the previous screen. Scroll up or down through the items. Press **View** to see the details of the highlighted item. Or press (☰) again to enter the available sub-menu.

Entering Feature Information

Features such as **Phonebook** and **Greeting** require you to enter detailed information.

Press **Cancel** to exit the menu without making changes.

Note: **OK** appears when you enter information. Press it to save the information.

Press **Change** to edit the selected item. Also, you may scroll up or down through the numeric items.

- Enter numbers or text with the keypad.
- When an item contains values, press (*) or (#) to scroll left or right and select the value.

Setting Up Your Phone

A variety of phone settings are offered to suit your needs.

Setting the Time and Date

Find the Feature > **Settings** > **Other Settings** > **Initial Setup** > **Time and Date**

Changing Personal Greetings

Find the Feature > **Settings** > **Other Settings** > **Personalize** > **Greeting**

Choosing Alert and Ring Tones

Your phone rings and/or vibrates to notify you of an incoming call, message, or other event. This ring or vibration is called an *alert*. You can select one of five different alert profiles: **Loud Ring**, **Soft Ring**, **Vibrate**, **Ring & Vibrate**, and **Silent**.

Each alert profile contains settings for ringer and keypad volume. It also includes alert tone settings for different events: incoming calls, text messages, voicemail messages, alarms, and reminders. You can modify the setting in each profile.

To choose alert profile:

Find the Feature > **Ring Styles**
> *desired profile*
> **Confirm**

To customize your alert profile, your phone notifies you of specific events:

Find the Feature > **Ring Styles**
> *desired event*
> **Confirm**
> *alert for event*
> **Confirm**

Setting Backlight

To set the time span that the display backlight lasts:

Find the Feature > **Settings**
> **Other Settings**
> **Initial Setup**
> **Backlight**

Setting Contrast

To set the amount of contrast of your display:

Find the Feature > **Settings**
> **Other Settings**
> **Initial Setup**
> **Contrast**

Setting Display Scrolling

To set the cursor to either stop or wrap around when it reaches the top or end of a list:

Find the Feature > **Settings** > **Other Settings** > **Initial Setup** > **Scroll**

Setting Display Animation

To turn on/off the animation (to conserve the battery):

Find the Feature > **Settings** > **Other Settings** > **Initial Setup** > **Animation**

Setting Battery Save

To conserve the phone's power usage:

Find the Feature > **Settings** > **Other Settings** > **Initial Setup** > **Battery Save**

Resetting all Options

To restore all options to factory default values, except for unlock code, security code, and lifetime timer:

Find the Feature > **Settings** > **Other Settings** > **Initial Setup** > **Master Reset**

Setting Up Your Phone for Optional Handsfree Use

A phone headset enables you to use your phone without using your hands. This accessory provides an alternative way for you to use your phone without using your handset.

Note: The use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

Find the Feature > **Settings** > **Other Settings** > **Headset** > **Auto Answer**

Entering Text

The default Tap Method makes it easy for you to enter names, numbers and text messages on your phone. You can enter all characters (letters, numbers, and symbols) using the standard tap method.

To enter text with the tap method, press a number key 1 or more times to cycle through characters. Release the key to enter the displayed character. Press **OK** when you are finished editing.

To switch from iTAP mode to TAP mode, press ⓜ and then confirm the item you would like to apply.

Character Chart

Use this chart as a guide for entering spaces, numbers, letters, symbols, and other characters with the Tap Method text mode. Press the same key repeatedly to cycle through available characters.

0 +	+ - 0 x * / \ [ ] = > < # §
1	. 1 ? ! , @ _ & ~ : ; " - ( ) ' ¿ ¡ % £ $ ¥ ¤ €
2 ABC	a b c 2
3 DEF	d e f 3
4 GHI	g h i 4
5 JKL	j k l 5
6 MNO	m n o 6
7 PQRS	p q r s 7

8 TUV	t u v 8
9 WXYZ	w x y z 9

Capitalization and Add a Space

Press	To
(up/down)	change the words to initial character capitalized, all uppercase characters, or all lowercase characters
*	Add a Space

Delete Letters and Words

Action
Press **Delete** to delete 1 letter at a time.
Press and hold **Delete** to delete the entire message.

Note: Sizes of characters may vary from one language from another.

Calling Features

This chapter describes features related to making and answering calls.

Displaying Your Phone Number

From the idle display:

Action
Press (menu) > **Settings** > **Phone Status** > **My Tel. Numbers** to see your phone number. Your phone number must be programmed on your SIM card in order to use this feature.

When you are on a call:

Action
Press (menu) > **My Tel. Numbers** to see your phone number.

Redialing a Number

You can redial a previously dialed phone number, whether the call was connected or busy. From the idle display:

	Press	To
1	(send)	go directly to the dialed calls list

Press	To
2 > **Recent calls** > **Received Calls**, **Dialed Calls** or **Notepad**	scroll to the entry you want to call
3	redial the highlighted number

Using My Caller ID

The calling line identification (caller ID) feature lets you see who is calling before answering.

If the caller's name is stored in your phonebook, the phone automatically displays the **Name**. Otherwise, the phone displays the caller's phone number.

If caller ID information is not available, your phone displays **Incoming Call**.

Terminating an Incoming Call

While the phone is ringing or vibrating:

Press	To
or **IGNORE**	cancel the incoming call

Depending on your phone settings and the type of subscription you have, the call may be forwarded to another number, go directly to Voice Mail, or the caller may hear a busy signal.

Dialing an Emergency Number

Your service provider programs one or more emergency phone numbers (such as 112 or 911) that you can call under any circumstances. You can dial and call the emergency number even when your phone is locked, when you are prompted to enter a code or password, when the SIM card is not inserted in your phone, or when the SIM card is blocked or disabled.

Note: Emergency numbers vary by country. Your phone's emergency number(s) may not work in all locations.

To call the emergency number at any time:

	Press	To
1	keypad keys	dial the emergency number (such as 112)
2		call the emergency number

Dialing International Numbers

To dial the local international access code:

Action
Press 0+ for 2 seconds to insert the international access code for the country from which you are dialling.

Inserting Special Characters into Dialing Sequences

In addition to pressing numbers on your keypad, you can insert special characters in a phone number.

While dialing (with digits visible in the display), you can press Main Menu to insert one of the following (by pressing * two times, **p** shows, three times, **w** shows in the display):

Option	Description
Insert Pause (insert a **p**)	Your phone waits until the call connects before it dials the next digit(s) in the series.
Insert Wait (insert a **w**)	Your phone waits until the call connects, then prompts you for confirmation before it dials the next digit(s).

Viewing the Received Calls or Dialed Calls List

Your phone keeps lists of the numbers from calls you recently received and dialed, even if the calls did not connect. The lists are sorted from newest to oldest entries. The oldest entries are deleted as new ones are added. Each entry tells you the person's number (or name, if available) and whether the call connected or not. You can call, store, or delete the numbers on these lists.

Shortcut: Press to go directly to the dialed calls list from the idle display.

To open the recent calls menu:

Find the Feature > **Recent Calls**

	Press	To
1	> **Recent Calls**	scroll to **Received Calls** or **Dialed Calls**
2	**Select**	select **Received Calls** or **Dialed Calls**
3	highlight entry	scroll to an entry you want to call, store, or delete **Note:** If an entry is in bold print, it means the call connected.
4		call the entry's number **Note:** Press and hold for 2 seconds to send the entry number as DTMF tones.
	or	
	or	press **View** to see the entry's details or **Store** to save the entry's details in the phonebook
	or	
		open the **Last Calls Menu** to perform other procedures as described in the following list

The **Last Calls** menu includes the following options:

Option	Description
Store	Create a phonebook entry with the selected number in the No. field. (This option does not appear if **Store** appears above the keys, or if the number is already stored as a phone book entry.)
Delete	Delete the entry. (This option does not appear if **Delete** appears above the key.)
Delete All	Delete all entries in the current list.
Hide ID/ Show ID	Hide or show your caller ID for the next call.
Send Message	Create a new text message, with the selected number in the **Tel No.** field.
Add Digits	Add digits to the end of the selected number.
Attach Number	Attach another number from the phonebook or recent calls list to the end of the selected number.

Returning an Unanswered Call

Your phone keeps a record of your unanswered calls. When you cannot answer a call, you phone displays the

missed call indicator and the message of how many missed calls there were.

	Press	To
1	**View**	see the received calls list, beginning with the most recent call
2		scroll through the list and select a call that you want to return
3		make the call

Entering Numbers in the Notepad

Your phone stores the most recent string of digits entered on the keypad in a temporary memory location called the notepad. These digits can be the last phone number that you called, or a phone number that you simply entered but did not call. These digits remain in the notepad even when you turn off the phone.

To call the number, create a phonebook entry, or perform other operations with the number stored in the notepad:

Find the Feature > **Recent Calls** > **Notepad**

Press	To
	call the number
or	
	open the **Dialing Menu** (to attach a number or insert a special character)
or	
Store	create a new phonebook entry with the notepad number copied into the **No.** field

Attaching a Number

You can attach a number from your phonebook or recent calls list to the digits you enter in the display.

While dialing (with digits visible in the display):

Action
Press > **Attach number** to attach a number from the phonebook or recent calls list to the end of the digits you entered.

Using Voicemail

You can listen to your voicemail messages by calling your network voicemail phone number. Voicemail messages are stored on the network-

not on your phone. Contact your service provider for more details.

Storing Your Voice Mail Number

Store your voicemail number in your phone to make it faster and easier to use voicemail. Your voice mail number is provided by your service provider.

Find the Feature > **Messages** > **VoiceMail**

	Press	To
1	keypad keys	enter the phone number for your voicemail
2	**OK**	store the number

Receiving a New Voicemail Message

When you receive a voicemail message, your phone displays New VoiceMail notification message incoming and VoiceMail indicator on the status pane.(Some networks only indicate when you have messages, whether they are new or not.) If users delete all VoiceMail messages, the VoiceMail indicator will disappear.

Listening to a Voicemail Message

To listen to you voicemail message at any time:

Find the Feature > **Messages** > **VoiceMail**

Your phone calls the voicemail phone number you stored. If you do not have a voicemail number stored, the phone guides you through storing a number.

Speed Dialing

Speed dial lets you dial any phonebook entry with a minimal number of key presses.

When you store an entry in your phonebook, it is assigned a unique speed dial number. You can then use the speed dial feature to call the entry. In the idle display:

	Press	To
1	keypad keys	enter the speed dial number for the entry you want to dial
2		submit the number
3		call the entry

One-Touch Dialing

You can call phonebook entries 1 through 9 with the push of a single key. The first nine numbers from the SIM card would be put in the One-Touch Dialing locations of 1-9. Press and hold the 1-digit speed dial number for 1 second.

Find the Feature

 > **Settings**
> **Other Settings**
> **Initial Setup** > **1-Touch Dial**

Quick Dialing

You can dial pre-programmed numbers stored on your phone. Your service provider may program your phone with one or more quick dial numbers, such as the customer service number. You can call them by selecting them from the quick dial list.

Find the Feature > **Quick Dial**

Note: Your service provider may use a different name for this feature.

To change your quick dial numbers:

Find the Feature > **Settings** > **Other Settings** > **Personalize** > **Quick Dial**

Using Call Waiting

If you subscribe to call waiting, an alert tone sounds while you are on a call to indicate that you have received a 2nd call. To put the 1st call on hold and answer the 2nd call, press SWITCH. To put the 1st call on hold and answer the 2nd call:

Press	To
1	answer the new call

	Press	To
2	**Switch** **LINK**	return to the 1st call **Note:** You can press **Switch** at any time to switch between calls.

To end the 1st call and answer the 2nd call:

	Press	To
1		end the current call Your phone rings to signal the new call.
2		answer the new call

To activate or deactivate call waiting:

Find the Feature > **Settings** > **In-Call Setup** > **Call Waiting**

Forwarding a Call

Call forwarding sends your phone's incoming calls directly to another phone number. Use call forwarding options to specify which calls your phone should forward. When you are ready to accept calls on your phone again, you can turn off call forwarding.

Set Up or Cancel Call Forwarding

Find the Feature: (Menu) > **Settings** > **Call Forward**

The Call Forward option include **Voice Calls**, **Cancel all**, and **Forward Status**.

	Press	To
1	(Menu)	scroll to the type of calls you want to forward (**Cancel All** cancels all call forwarding and ends the procedure.)
2	**Select**	open the call forward details for that call type
3	(Menu)	scroll to **Forward**
4	**Change**	change the **Forward** option
5	(Menu)	scroll to the call forward option you want
6	**Select**	store the option
7	(Menu)	scroll to **To** (same for **If Busy**, **If No Answer**, or **If Unreachable**)
8	**Change**	change the phone number
9	keypad keys **or** **Browse**	enter the forwarding phone number browse through your phonebook or other lists for the forwarding phone number

Press	To
10 **OK**	store the forwarding phone number

Note: You can repeat this procedure to enter forwarding information for other call types.

Check Call Forwarding Status

Your network may store call forwarding status for you. If you change your phone's call forward settings, then you should confirm that the network call forward status matches your preferences.

Find the Feature (Menu) > **Settings** > **Call Forward** > **Forward Status**

Press	To
1 (Menu)	scroll to **Voice Calls**
2 **View**	confirm that the network settings are correct

Conference Calls

To talk to more than 1 person on a call, you can make a conference call. Call the 1st person, call the 2nd person, then link the 2 calls.

Press	To
1 keypad keys	dial the 1st person's number

	Press	To
2		call the number
3	**Hold** **or** > **Hold**	put the 1st call on hold Your phone displays a flashing phone indicator next to the call on hold.
4	keypad keys	dial the next person's number
5		call the number Your phone displays an active call indicator next to the new active call.
6	**LINK**	connect the 2 calls
7		end the entire call

Barring a Call

Call barring lets you restrict outgoing or incoming calls. You can restrict all calls, calls to international numbers, or calls while roaming.

Find the Feature > **Settings** > **Security** > **Call Barring**

	Press	To
1		scroll to **Outgoing** or **Incoming** calls
2	**Change**	select barring for **Outgoing** or **Incoming** calls

	Press	To
3		scroll to a restriction for the barred calls
4	**Select**	select the restriction for the barred calls
5	keypad keys	enter your call barring password (from your network service provider)
6	**OK**	submit your password

Putting a Call on Hold

When you are on a call:

Action
Press **Hold** (if available). **or** Press > **Hold**. Your phone displays a "flashing phone" indicator to indicate that the call is on hold.

Lock/ Unlock the Keypad

By pressing the Menu Key and then the key while in idle mode, you may lock/ unlock the keypad.

Messages

Text messages are brief messages that you can send and receive (such as **Where are we meeting?**). Received messages appear on your pone display or in your text message inbox.

You must set up the text message inbox before you can send and receive these messages. The total number of messages the inbox can hold depends on the length of the message, and the number of other messages and drafts stored in your phone.

Note: Your service provider may have already programmed the text message inbox settings for you.

Sending Messages

You can send text messages to 1 or more recipients. You can manually enter the recipient's phone number, or select the number or numbers from the phonebook or recent calls lists.

Shortcut: While dialing (with digits visible in the display), you can press (≡) > **Send Messages** to create a text message addressed to the number entered.

Find the Feature

(≡) > **Messages**
(≡) > **Create Message**

	Press	To
1	**Change**	select **To**
2	keypad keys	enter one or more phone numbers where you want to send the message
	Browse	select one or more phone numbers from the phonebook or recent calls lists
3	**OK**	store the number(s)
4	**Change**	select **Msg**
5	keypad keys	enter the text message **Note:** Message length is limited. When you're close to the limit, a two-digit display shows how many characters are left.
6	**OK**	store the text message
7	**DONE**	finish the message Your phone displays **Send Message Now?**.
8	**YES** **or** **No**	send the message You can choose **Do not save** or **Save to Outbox**

Viewing Message Status

Text messages that you send are stored in the Outbox.

To view the content of your outbox:

Find the Feature (MENU) > **Messages** (MENU) > **Outbox**

Text messages are sorted from the newest to oldest.

Receiving and Reading Messages

Note: you must set up the text message inbox before you can receive text messages.

When you receive a new message, your phone displays New Message and gives you an alert. Press **Read** to open the message (or your text message inbox if there are multiple messages).

You can press (MENU) to view the **Text Msg Menu**, which includes the following options:

Options	Description
Forward	Open a copy of the text message, with an empty **To** field.
Store	Save callback number.

Replying to Messages

While viewing a text message, you can create a reply: The **Text Msg Menu** includes the following:

Options	Description
> **Reply**	Open a new text message with the message's **Replying To** number in the **To** field.

Locking or Deleting a Text Message

You can open your text message inbox to read, lock or delete messages at any time.

Messages in the text message inbox are sorted from newest to oldest. If you want to save a message, you should lock it to prevent it from deleting.

Find the Feature > **Messages**
> **Text Msgs**

	Press	To
1		scroll to the message you want: unread and urgent, read, read and locked messages
2	**Read**	open the message

	Press	To
3	**Save**	close the message without changes
	or	
	Delete	delete the message
	or	
		open the **Text Msg Menu**

Phonebook

You can store a list of names and phone numbers in your phone's electronic phonebook. You can view these entries and call them directly from your phone.

To see the list of names stored in your phonebook, press (≡) > **Phonebook** from the idle display. Scroll to a name and press **View** to view details of the phonebook entry as shown in the following display.

Storing a Phonebook Entry

A phone number is required for a phonebook entry. All other information is optional. You can store a phonebook entry on your SIM card only.

Shortcut: Enter a phone number in the idle display, then press **Store** to create a phonebook entry with the number in the **No.** field. Go directly to step 3 in the following procedure to enter additional information and store the entry.

Note: You can also use the following procedure to store a fixed dial entry by scrolling to and selecting **Fixed Dial**.

Enter Information

Find the Feature > **Phonebook** > **New Entry**

	Press	To
1	**Select**	select the type of entry
2	**Change**	select **Name**
3	keypad keys	enter a name for the phonebook entry
4	**OK**	store the name
5	keypad keys	enter the phone number
6	**OK**	store the phone number
7		scroll to **Speed No.**, the number., the number to speed dial the entry The next available speed dial number is assigned to a new phonebook number by default.
8	**Change**	select **Speed No.** if you want to change it
9	keypad keys	enter a different speed number if desired
10	**OK**	save the modified speed number If your chosen speed number is already assigned to another entry, you are asked if you want to replace that entry.

Complete Phonebook Entry

When you finish entering information for a phonebook entry:

Press	To
DONE	store the entry and return to the phonebook list

Dialing a Phonebook Entry

You can use the phonebook list, speed dial, or 1-touch dial to call a number stored in your phonebook.

Phonebook List

Find the Feature > Phonebook

Press	To
	scroll to the entry you want
	call the entry

Editing a Phonebook Entry

You can edit a phonebook entry stored on your SIM card. If you change an entry's speed dial number, the entry is moved to the new speed dial location and the original entry is deleted.

Note: You can also use the following procedure to edit a fixed dial entry by scrolling to and selecting **Fixed Dial**.

Find the Feature > **Phonebook**

	Press	To
1		scroll to the entry you want to edit
2	**View**	display the entry's detailed view
3	**Edit**	edit the phonebook entry

Deleting a Phonebook Entry

Find the Feature > **Phonebook**

	Press	To
1		scroll to the entry you want to delete
2		open the phonebook menu
3		scroll to **Delete**
4	**Select**	select **Delete**
5	**Yes**	confirm the deletion

Sorting and Copying Phonebook Entries

You can copy 1 phonebook entry from your SIM card location to another SIM card location.

Note: This function copies the original entry to a new location. It does not delete the original entry.

Copy a Single Entry

Find the Feature (MENU) > **Phonebook**

	Press	To
1	(MENU)	open the phonebook menu
2	(NAV)	scroll to **Copy Entry**
3	**Select**	select **Copy Entry**
4	keypad keys	edit the speed dial number
5	**OK**	approve the copy to the speed dial number The phone displays **Stored**. You can now delete the old phone book entry, if desired.

Checking Capacity

To check how much space is left in your phonebook, your phone displays a memory meter. To see how much memory is left in your SIM card, your phone lists the number of phonebook entries used and the number available.

	Press	To
1	(MENU)	open the phonebook menu
2	(NAV)	scroll to **capacity**

	Press	To
3	**Select**	select **capacity** Your phone displays the number of SIM card phonebook entries available.

Personalizing Your Phone

Customizing Menus

Your can customize the order of the items in your phone's main menu, depending upon your usage.

Find the Feature > **Setting** > **Other Settings** > **Personalize** > **Main Menu**

	Press	To
1		scroll to the menu item you want to move
2	**Grab**	grab the menu item you want to move
3		move the item up or down the menu
4	**Insert**	insert the item in the new location

Redefining Soft Keys

Find the Feature > **Setting** > **Other Settings** > **Personalize** > **Keys**

	Press	To
1		scroll to **Left** or **Right**
2	**Change**	open the key editor
3		scroll to the new key function
4	**Select**	confirm the new function

Selecting a Different Language

Find the Feature > **Setting** > **Other Settings** > **Initial Setup** > **Language**

Using MyMenu

MyMenu enables you to quickly access your favorite menu features. It is a pre-programmed with shortcuts to several features, but you can add more.

Using MyMenu Shortcut

You can use **MyMenu** from the idle display, while on a call, or while scrolling through a menu.

Use a MyMenu Key Number

	Press	To
1	(menu)	open the menu
2	the **MyMenu** key number	go to the menu item, or perform the menu action

Select a Feature From the MyMenu list

Find the Feature (menu) > **MyMenu** > *desired feature*

Note: To edit or delete a **MyMenu** feature, highlight it in the list and press the menu key to open a menu of options for the feature.

Adding a MyMenu Shortcut

	Press	To
1	(menu)	enter the menu system
2	(navigation)	highlight the menu item
3	press and hold (menu)	open the **MyMenu** editor The phone displays **Assign MyMenu for:** "*Item*"**?**, where *Item* is the name of the item you selected.
4	**Yes**	view your options

	Press	To
5	Change	change the **MyMenu** key number, if necessary
	or	
	DONE	select the **MyMenu** key number and close the editor

Getting More Out of Your Phone

Dialing Options

Fixed Dialing

When you activate the fixed dial feature, users can only call the number in the fixed dial list.

Note: Employers can use fixed dial to limit employees' phones to a predefined list of numbers, country codes, or other prefixes.

Activating Fixed Dial

Find the Feature (MENU) > **Settings** > **Security** > **Fixed Dial**

Creating and Calling Fixed Dial Entries

Fixed Dial list entries can be any length. You must enter your SIM PIN2 code, from your network service provider, to edit fixed dial entries. To open the fixed dial list:

Find the Feature (MENU) > **More** > **Fixed Dial**

In the fixed dial list, you can create, edit, delete, and sort entries just like in the phonebook list. Fixed dial list entries are stored on your SIM card.

Service Dialing

Dial preprogrammed numbers stored on your SIM card. Your Service provider can program your SIM card with phone numbers for services such as taxi companies, restaurants., and hospitals.

Find the Feature > **More** > **Service Dial**

Managing Your Calls

Calling a number in a Text Message

If you receive a text message with an embedded phone number, you can dial the number directly.

Find the Feature > **Messages** > **Text Msgs**

	Press	To
1		scroll to the **message** with the number
2		open the **Text Msg** menu
3		scroll to **Call Back**
4	**Select**	dial the number in the message

If the message contains more than 1 phone number, scroll to the desired number and press **select** to dial.

Sending DTMF Tones

While you are on a call, you can send key presses as tones:

Action
Press (≡) > **Send Tones** to send a number to the network as DTMF tones, for credit card calling or password entry.

To set the tones to be Long DTMF or Short DTMF:

Find the Feature (≡) > **Settings** > **Other Settings** > **Initial Setup** > **DTMF**

Monitoring Phone Use

Viewing and Resetting Call Timers

Your phone tracks and records call times. Use the recent calls menu to view and reset a call timer.

Network connection time is the elapsed time from the moment you connect to your service provider's network to the moment you end the call by pressing the End key. This time includes busy signals and ringing.

The amount of network connection time you track on your resettable timer may not be equal the amount of time for which you are billed by your service provider. For billing information, please contact your service provider directly.

To view a call timer:

Find the Feature > **Recent Calls** > **Call Times**

	Press	To
1		scroll to the **timer** you want to view
2	**Select**	view the recorded time

To reset call timer:

	Press	To
1	**Reset**	reset the time if available
2	**Yes**	confirm the reset

You can view the approximate network connection time elapsed during the following calls:

Timer	Description
Last Call	Time of the last call dialed or received. You cannot reset this timer.
Dialed Calls	Total time of dialed calls since the last time you reset this timer.
Received Calls	Total time spent on calls received since the last time you reset this timer.
All Calls	Total time of dialed and received calls since the last time you reset this timer.

Timer	Description
Lifetime	Total time of all calls on this phone. You cannot reset this timer.

Viewing and Resetting Call Costs

Find the Feature > **Recent Calls** > **Call Cost**

	Press	To
1		scroll to the cost tracker you want to view
2	**Select**	view the recorded cost

To reset the call tracker:

	Press	To
1	**Reset**	reset the cost if available
2	**OK**	enter your PIN2 code to confirm the reset

Network Features

Your phone network can provide the following call cost information:

Cost Tracker	Description
Credit Available	Amount of your credit remaining. For GSM advice-of-charge, this is only available if you set a credit limit.Note: your phone receives cost information from the advice-of-charge feature or third-party prepay software.
Last Call	Amount for the last call you dialed or received. You cannot reset this cost tracker.
All Calls	Amount for all dialed and received calls since the last time you reset this cost tracker. You can reset this value separate from **Dialed Calls** and **Received Calls**, so **Dialed Calls** plus **Received Call**s may not equal **All Calls**.
Reset All	Reset all call cost records.

Network Selection

Find the Feature > **Settings** > **Other settings** > **Network**

Your service provider registers your phone to a network. You can view information about the current network, change how your phone searches for a network, specify your preferred networks, and activate alerts that indicate when a call is dropped or network registration changes.

Personal Organizer Features

Alarm Clock

Find the Feature > **Alarm Clock**

	Press	To
1	> **New** or **select** [**New Entry**]	create/edit alarm item Alarm content list: **Name :** **Time :**
2	> **Edit**	same as above
3	> **Delete**	delete 1 alarm item
4	> **Delete All**	delete all alarm items

Note: Your phone must be powered **On** in order for any alarm that you may have set to be activated.

Calculator

Find the Feature > **More** > **Calculator**

	Press	To
1	number keys	enter a number in the calculator
2		highlight a calculator function
3	**Select**	perform the highlighted function

Converting Currency

Find the Feature > **More** > **Exchange Rate**

	Press	To
1	numberkeys	enter the exchange rate
2	**OK**	store the exchange rate

Security

Locking and Unlocking Your Phone

You can look your phone manually or set your phone to lock automatically whenever you turn it off.

When you try to use a locked phone, it asks you to enter the unlock code. A locked phone still rings or vibrates for incoming calls or messages, but you must unlock it to answer.

You can make emergency call on your phone even when it is locked.

Lock your Phone Manually

Find the Feature (Menu) > **Settings** > **Security** > **Phone Lock** > **Lock Now**

	Press	To
1	keypad keys	enter your 4-digit unlock code
2	**OK**	lock the phone

Set Your Phone to Lock Automatically

Find the Feature (Menu) > **Settings** > **Security** > **Phone Lock** > **Automatic Lock** > **On**

	Press	To
1	keypad keys	enter your 4-digit unlock code
2	**OK**	set the phone to lock automatically

Unlock Your Phone

	Press	To
1	keypad keys	enter your 4-digit unlock code The unlock code is originally set to 1234.
2	**OK**	unlock your phone

Changing Your Unlock Code

Find the Feature: > **Settings** > **Security** > **New Passwords**

Press	To
	scroll to the code or password you want to change
3 **Change**	select the **code** or **password**
4 keypad keys	enter your old code
5 **OK**	submit your old code
6 keypad Keys	enter the new code
7 **OK**	assign the new code
8 keypad keys	re-enter the new code
9 **OK**	confirm the new code

If you forget a code or password

	Press	To
1		go to the unlock code bypass screen
2	keypad keys	enter your security code
3	**OK**	submit your security code

Protecting the SIM Card

Find the Feature > **Settings** > **Security** > **SIM PIN**

Unlock the SIM card PIN Code

Press		To
1		open the PIN unblocking editor
2	keypad keys	enter the PIN code
3	**OK**	submit the PIN code
4	keypad keys	enter a new SIM card PIN code
5	**OK**	assign the new SIM PIN code
6	keypad keys	re-enter your SIM card PIN code
7	**OK**	confirm the new SIM PIN code and unblock the SIM card

Games

Your phone comes with three games. If you get an incoming call, message, alarm or alert, the game ends automatically.

Find the Feature > **Games**

	Press	To
1	>	scroll to the game of your choice
2	**Select**	start the game

To end a game at any time:

Press	To
Back/ No	end the game session or return to the game menu

Troubleshooting

Check these questions first if you have problems with your phone:

Question	Answer
How do I know if my battery is charged?	The battery level indicator should show at least one bar (segment) of power. If it does not, please recharge your phone's battery. (See "Changing Your Phone" on Page 15.) If the battery level indicator has three bars showing, then your phone's battery is fully charged.
Do you have a valid SIM card inserted in your phone?	If necessary, turn off your phone and make sure that you have inserted a valid SIM card.
Does the handset have a signal? Do you see a signal showing in the display?	The signal strength indicator should have at least one segment showing. If it does not, move to an area with a stronger signal to use your phone.
Is the earpiece volume too low?	While on a call, scroll up.

Question	Answer
Is the other party unable to hear you?	Your phone may be muted. You may take the call off of mute by making the appropriate soft key selection. (See page 16, Adjusting the Volume.) Also, you and/or the person you are speaking with may be in a weak network coverage area. Make sure that your phone's microphone is not obstructed.
Has the phone been damaged, dropped or gotten wet?	Dropping your phone, getting it wet, or using a non-Motorola battery charger can damage the phone. The phone's limited warranty does not cover liquid damage or damage caused from using non-Motorola accessories.
I can't hear my phone ring.	Ensure that your phone is not set to Silent or Vibrate. See page 20 on how do modify your phone's Alert and Ring Tone profiles: Loud, Soft Ring, Vibrate, Ring & Vibrate, and Silent.

The following referring to specific problems:

Problem	Solution
My phone was stolen. To whom should I report this?	Report a stolen phone to the police and to your service provider.
I forgot my password	See “Changing Your Unlock Code” on page 67.
I pressed the End/Power key, but nothing happened.	To either turn your phone On or Off, you must Press and Hold the End/ Power Key for a couple of seconds. If your phone will still not turn On when you do this, then check to see if your phone's battery is charged.
The Display says Insert SIM card or Check SIM Card even though I have inserted my SIM card in the phone.	The SIM card may be incorrectly inserted. Check the SIM card to make sure that it is inserted properly. If you changed the default unlock code in your phone, please enter the unlock code that you defined to unlock it.
The display says Enter Unlock Code. How do I unblock my SIM card?	Call your service provider to obtain the PIN unblocking code. If you changed the default unlock code in your phone, please enter the unlock code that you defined to unlock it.

Problem	Solution
The display says Enter Unlock code. How do I unlock my phone?	Enter the factory-preset unlock code, 1234, or the last 4 digits of your phone number.
My phone asks for an unlock code when I try to open a feature.	The application you want is locked. If you own the phone but do not know the unlock code, see “Changing Your Unlock Code” on page 67..
My phone rings even though I selected the silent or vibrate alert profile.	The ringer may be set to play a tone even though your phone is set to a silent alert profile.
I tried to place a call and heard an alternating high/low tone.	Your call did not reach the wireless system. You may have dialed the number too soon after turning the phone on. Wait until the display shows the name of your service provider before making a call.

Problem	Solution
I cannot make/ answer calls.	Make sure that you have a phone signal. Avoid electrical or radio interference, and obstructions such as bridges, parking garages, or tall buildings. Your phone may also have the Call Barring feature turned on. If you know the unlock code, you can change this setting in the security menu. (Menu) > **Settings** > **Security**. Also, check and make sure your SIM card is inserted and working.
My phone has poor reception and drops calls.	Make sure you have a phone signal. Stay clear of any obstructions such as bridges, parking garages, or tall buildings.
I cannot hear others on my phone.	While on a call, adjust the volume by scrolling with the Navigation Key to either the right (to increase) or to the left (to decrease) the phone volume in my earpiece. Also, make sure that your phone's earpiece is not blocked by its carrying case.
I cannot open my inbox.	Before you can use text or information services messages, you must set up the appropriate inbox.

Problem	Solution
How do I see the calls I sent or received?	To see the most recent calls you dialed or received, open the list: MENU > **Recent calls** > **Received Calls** or **Dialed calls**.
My phone will not dial voicemail commands, passwords, or other codes.	Your phone sends commands and passwords as DTMF tones. You can set your phone's DTMF tones to be Long, Short or Off. If you have trouble sending numbers, check your DTMF setting. From the idle display, press: MENU > **Settings** > **Other Settings** > **Initial Setup** > **DTMF**. Press NAV to scroll to **Long DTMF** or **Short DTMF** and press **Select** to confirm.
My phone's display is too light.	You can change the level of contrast in your phone display.
What can I do to extend battery life?	Your battery's performance is affected by charge time, feature use, temperature changes, and other factors. You may also select Battery Save to help maximize the amount of time that your battery will last between charges (see Setting Battery Save on page 22).

Problem	Solution
How do I remove the battery?	Remove it by opening the back cover of the phone.
My phone is stuck and none of the buttons I push will do anything. How do I make my phone work?	You may need to reset your phone. To reset your phone (without changing any of the defaults that you currently have), remove your replaceable battery from your phone and then insert it back into your phone. This will reset your phone and you should be able to power your phone back on and use it again.

Specific Absorption Rate Data

This model phone meets the international standards for exposure to radio waves.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. Under the guidelines for your phone model, the SAR limit is 2.0 W/kg.[1] Tests for SAR are conducted in accordance with CENELEC[2] testing procedures using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the phone.

Before a phone model is available for sale to the public, it is tested to confirm compliance with the guidelines. The tests are performed in positions that conform to a uniform testing methodology determined by an expert standards body. The highest SAR value for this model phone when tested for use at the ear is 0.88 W/kg.[3]

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this

product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

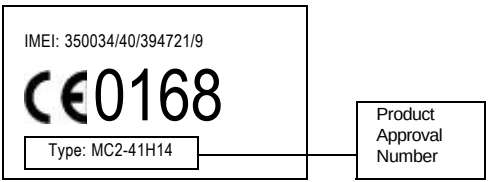
1. The SAR limit recommended by international guidelines (ICNIRP) for mobile phones used by the public is 2.0watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin for safety to give additional protection for the public and to account for any variations in measurements.
2. CENELEC is a European Union standards body.
3. Additional related information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

ITC03-182

European Union Directives Conformance Statement

Hereby, Motorola declares that this product is in compliance with

- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives



The above gives an example of a typical Product Approval Number.

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (the R&TTE Directive) at www.motorola.com/rtte - to find your DoC, enter the product Approval Number from your product's label in the "Search" bar on the Web site.

motorola.com

MOTOROLA and the Stylized M Logo are registered in the US Patent & Trademark Office. All other product or service names are the property of their respective owners. © Motorola, Inc. 2003.

Specifications are subject to change without notice.

Part No.6802913J84
Printed in Singapore

TEPL-06/2004